

Converting Colors

CIELCh(100, 53.438, 79.510)

Have a look what the booklet for
CIELCh(100, 53.438, 79.510)
contains.

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Color

CIELCh(96, 47.287, 102.113)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFF799 |
| RGB | 255, 247, 153 |
| RGB Percent | 100%, 97%, 60% |
| CMY | 0.0000, 0.0326, 0.4014 |
| CMYK | 0.00, 0.03, 0.40, 0.00 |
| HSL | 55°, 100%, 80% |
| HSV | 55°, 40%, 100% |
| XYZ | 80.3822, 90.0078, 43.1184 |
| YIQ | 238.6760, 34.9420, -27.5380 |

Conversions

Conversions Part 2

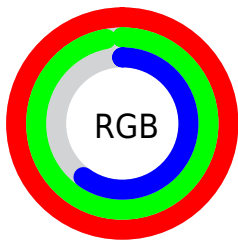
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 162, 255, 153 |
| Decimal | 16775065 |
| CIE Lab | 96.00, -9.92, 46.23 |
| CIE LCh | 96, 47.287, 102.113 |
| Yxy | 90.0078, 0.3765, 0.4216 |
| Android (android.graphics.Color) | 4294965145 (0xFFFFFFFF799) |
| YUV | 238.6760, -42.2383, 14.3161 |
| Hunter-Lab | 94.8724, -14.7898, 39.4641 |

Details

The CIELCh color **96, 47.287, 102.113** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **69, 51.601, 292.465**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 23.732, 108.378**, and **76, 47.391, 102.583** is the 20% darker color. If you saturate the color by 10%, you get **95, 58.377, 101.416**, and if you desaturate by 10%, it is **97, 35.717, 103.519**.

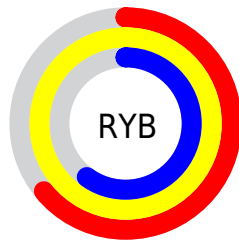
Distribution



Red (100%)

Green (97%)

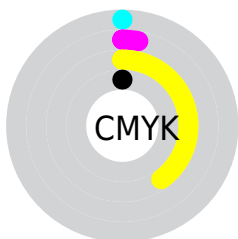
Blue (60%)



Red (64%)

Yellow (100%)

Blue (60%)

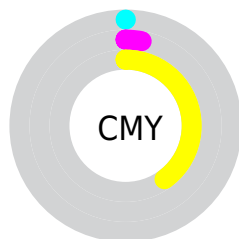


Cyan (0%)

Magenta (3%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (3%)


Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 47.287, 102.113 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 96, 47.287, 102.113 by changing the saturation by 10% instead.


 96, 47.287,
102.113


 96, 47.287,
102.113


 100, 47.287,
102.113


 86, 47.287,
102.113

 76, 47.287,
102.113

 66, 47.287,
102.113

 56, 47.287,
102.113

 46, 47.287,
102.113

 36, 47.287,
102.113

 26, 47.287,

102.113

■ 16, 47.287,
102.113

■ 6, 47.287, 102.113

■ 96, 47.287,
102.113

■ 96, 47.287,
102.113

■ 95, 58.377,
101.416

■ 97, 35.717,
103.519

■ 94, 68.719,
100.418

■ 98, 23.939,
104.585

■ 94, 77.791, 99.488

■ 99, 12.059,
105.638

■ 93, 84.930, 98.649

100, 0.155,
105.925

■ 92, 89.468, 97.911

■ 92, 91.347, 97.265

100, 0.012,
296.813

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



96, 47.287, 102.113



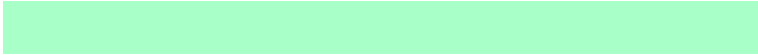
69, 51.601, 292.465

Rectangle

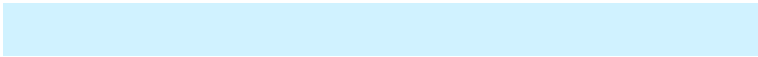
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 47.287, 102.113



96, 47.287, 152.113



96, 47.287, 282.113



96, 47.287, 332.113

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



96, 47.266, 102.456



99, 14.273, 105.444



74, 41.022, 17.176



53, 9.467, 105.307



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 47.266, 102.456



95, 56.051, 101.635



95, 53.683, 124.092



53, 6.761, 105.704



71, 73.644, 97.368



24, 33.334, 98.261

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



69, 51.601, 292.465



63, 62.706, 294.076



71, 57.603, 308.441



49, 6.889, 287.756



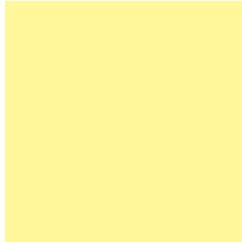
24, 104.015, 305.303



4, 41.547, 300.328

Previews

White Background



This preview shows how the CIE LCh color 96, 47.287, 102.113 looks on a white background.

Color Contrast Check

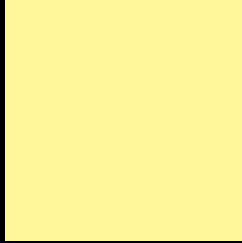
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 96, 47.287, 102.113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

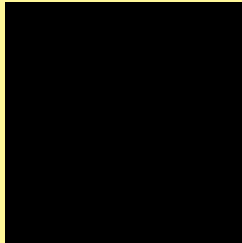
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 47.287, 102.113

Background



This preview shows how black text looks on a background with the CIELCh color 96, 47.287, 102.113.

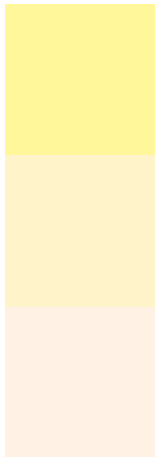


This preview shows how white text looks on a background with the CIELCh color 96, 47.287, 102.113.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).


Dichromacy



Original Color
96, 47.227, 102.613

Protanopia
96, 21.376, 96.287

Deuteranopia
96, 8.355, 72.056

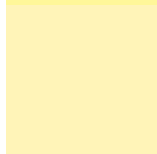


Tritanopia
96, 7.326, 340.860

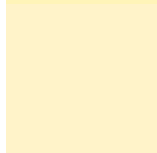
Trichromacy



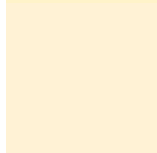
Original Color
96, 47.227, 102.613



Protanomaly
96, 30.756, 99.835



Deuteranomaly
96, 21.874, 96.514

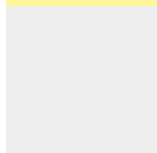


Tritanomaly
96, 15.567, 90.901

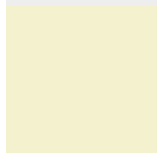
Monochromacy



Original Color
96, 47.227, 102.613



Achromatopsia
94, 0.011, 296.813



Achromatomaly
95, 17.404, 105.122

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 47.287, 102.113 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 247, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 153)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 247, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 47.287, 102.113 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 247, 153) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 247, 153) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 247, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 47.287, 102.113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 153) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
247, 153) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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